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INDEPENDENT REVIEW/REASSESSMENT

OF

ANOMALOUS DATA

SELECTE MAY 1 7 1988

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VOLUME III

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Prepared for

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Prepared by

LFW MANAGEMENT ASSOCIATES, INC. P.O. Box 25167 Alexandria, Virginia 22313-5167

June 22, 1987

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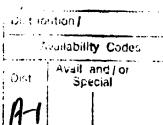
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INTRODUCTION AND BIBLIOGRAPHY: ANZIO

As per contract, the LFW Team reviewed/reassessed the following battles:

Aprilla I 25-26 Jan 1944 Campoleone, 29-31 Jan 1944 Carroceto, 7-8 Feb 1944 Moletta River, 7-9 Feb 1944 Factory Counterattack, 11-12 Feb 1944 Fioccia, 21-23 Feb 1944

The basic source for statistical data on the battles of the Anzio campaign were the official records, of which the Fifth Army Periodic Reports were the most valuable source.

For the British 1st Infantry Division, loading tables were used to establish initial strength for Aprilla I and then adjusted for casualties and additions for the next two battles [Campoleone, Carroceto]. Strengths for the 45th Division, which was involved in the next three battles, were established from Fifth Army Periodic Reports and VI Corps and 45th Division situation reports.

"Bloody" casualties were established from the official records and "non-bloody" casualties primarily from Lada and Mellor, as explained in the general introduction.

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box.

Official Records

Fifth Army: After-Action Report, Periodic Reports, Operations Orders, G-1 and G-3 Journals, and Headquarters, Fifth Army, Historical Section, Fifth Army History [9 vols, n.p.,n.d.].

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45th Infantry Division: After-Action Report, Division Artillery After-Action Report, Daily Situation Reports,

Division Artillery Daily Situation Reports, Division Artillery Journal, and G-1 and G-3 Journals and files; After-Action Reports, Daily Situation Reports, and S-1 and S-3 Journals and files of the three organic regiments: 157th Infantry, 179th Infantry, and 180th Infantry.

British Sources

1st Infantry Division, Operations Report, Public Records Office, London.

German Sources

OKW KTB [War Diary of the Supreme Command of the Armed Forces], vols. 6 and 7, as cited in Salerno sources.

AOK 14, KTB [Fourteenth Army War Diary] and Anlagen [appendices] [Microfilm Collection T-312, rolls 482 through 492].

LXXVI Panzer Corps, KTB and Anlagen, 3 Feb-30 Jun 1944 [Microfilm Collection T-314, rolls 1572-1574].

Manuscripts: No. R-76, "Italian Theater, Order of Battle and List of Commanders, 22 Aug 1943-31 Mar 1944," by Ralph S. Mavrogordata, 1957; No. R-78, "XIV Panzer Corps Defensive Operations Along the Garigliano, Gari, and Rapido Rivers, 17-31 Jan 1944," by Ralph S. Mavrogordata, 1955; No. R-124, "The Battle of Anzio, 22 Jan-31 Mar 1944," by Ralph S. Mavrogordata, 1957; and MS without number, "The German Situation [in the Italian Theater of Opeations]," by Britt Bailey, 1951.

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Vaughan-Thomas, Wynford, Anzio [New York: Holt, Rinehart, and Winston, 1961].

Of peripheral usefulness:

The Fighting Forty-Fifth: The Combat Report of an Infantry Division [Baton Rouge, LA: Army and Navy Publishing Company, 1946].

NOTE: The LFW Team was unable to locate the source listed in the HERO study as: Muhm, Col. Gerhard, "Verluste der HG SUD wahrend der 4, CASSINO-SCHLACHT unter der Schlact um ROM 911.5-2.6.1944]," unpublished study [1983]; but the Team considered that use of the offical German records compensated for lack of access to this study.

US ARMY

LPW MANAGEMENT ASSOCIATES, INC. REVIEW

OF

CAA TASK 4 REQUIREMENTS

LPW'S INDEPENDENT REVIEW/REASSESSMENT OF SIX ANOMALOUS BATTLES

FROM THE ANZIO CAMPAIGN



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BRITISH STRENGTH: APRILLA I

FOA

23,195	
Estimate	Algh

Estimate

Nominal

24,478

23,312*	0	***	23,312
Strength based on start basic and attached units orgn. strength	ReplacementsRTD	Attachments/detachments during battle	Lrw estimate

BASIC SOURCES: *Loading tables in operations Report, 1st Infantry Division; **Pifth Army Operations Orders.



BRITISH CASUALTIES: APRILLA I "Bloody" Low Estimate Wigh Reported KIAs and WIAS: APRILLA I "Bloody" Low 169 189
"Bloody" Low High Wish and Wise
#1gh Nominal
Nominal KIAs and WIAE
"Non-Eloody" Low Casualties
High Casualties 78
Nominal Setimated NBCs
BASIC SOURCES: *VI Corps Situation Reports and Fifth Army Periodic Reports; **January 1944 British daily NBC rate per thousand troops was 1.4145161. This figure multiplied by strength of 23.312 thousands and 2 battle days provides 66 NBC. [Mellor, Casualties and Medical Statistics, p. 241.]
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GERMAN STRENGTH: APRILLA I

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5,400		009*9		6,000
Estimate	R1gh	Estimate	Nominal	Reported strength

B.SIC SOURCES: Fourteenth Army and LXXVI Panzer Corps War Diaries and appendices.



GERMAN CASUALTIES: APRILLA I

"Bloody"	
Estimate	35
Estimate	43
Nominal Reported KIAs and WIAs	39*
"Non-Bloody" Low Estimate	206
High Estimate	252
Reported FOWs	211** 17*** 229

BASIC SOURCES: *Fourteenth Army and LXXVI Panzer Corps War Diaries and appendices; **Fifth Army Periodic Reports; ***British January 1944 daily NBC rate per thousand troops was 1.4145161. This figure multiplied by the battle strength [6 thousands] and 2 battle days provides 17 NBC. [Mellor, Casualties and Medical Statistics, p. 241].



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APRILLA I

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	Pers	A/D (Total)	19 350	1,000	0,750

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BRITISH STRENGTH: CAMPOLEONE

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17,856
Estimate

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Nomina1

Estimate

21,824

Based on start basic and attached units' orgn. strength	19.840*	*07
Replacements	•	C
RTD		0
Attachments/detachments during battle	+ 782**	82*1
LFW estimate	20 622	12

BASIC SOURCES: *Loading tables in Operations Report, 1st Inf Div; **Fifth Army Operations Orders.



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BRITISH CASUALTIES: CAMPOLEONE

"Bloody"

151	185	168*
Low Estimate	High Estimate	Nominal Reported KIAs and WIAs
Estimate	Estimate	Reported

BASIC SOURCES: *VI Corps Situation Reports and Fifth Army Periodic Reports; **January 1944 British daily NBC rate per thousand troops was 1.4145161. This figure multiplied by battle strength of 19.840 thousands and 3 battle days provides 84 NBC [Mellor, Casualties and Medical Statistics, p. 241].

**78

99

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Estimate

"Non-Bloody"

Low

Estimate

High

Estimate from experience of British forces

Nominal



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GERMAN STRENGTH: CAMPOLEONE

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Estimate	14,518
Righ	
Estimate	17,744

Nominal

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Vebot led strengtil	101,01
Replacements received during battle	0
RTD	0
Attachments/detachments during battle	0
Total	16,131

BASIC SOURCES: Fourteenth Army and LXXVI Panzer Corps War Diaries and appendices.



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GERMAN CASUALTIES: CAMPOLEONE

	"Bloody" Lou	
Estimate	Estimate	140
Estimate	Bigh	171
Reported	Nominal Reported Kids and Wids	155*
Estimate	"Non-Bloody" Lou	99
Estimate	High Estimate	80
Estimated	Nominal Estimated NBCs from experience of British forces	68**

DASIC SOURCES: *Fourteenth Army and LXXVI Panzer Corps War Diaries and appendices; **January 1944 British daily NBC rate per thousand troops was 1.4145161. This figure multiplied by a battle strength of 16.131 thousands and 3 battle days provides 68 NBC [Mellor, Casualties and Medical Statistics, p. 241].



CAMPOLEONE

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Aprilla I preceding battle low strength [23,195] minus high	casualties ["bloody" 207, "non-bloody" 78]
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	24,2
Aprilla I preceding battle high strength [24,478] minus low	casualties ["bloody" 169, "non-bloody" 64]

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WWW.YW	Aprilla I preceding battle low strength [23,195] minus high casualties ["bloody" 207, "non-bloody" 78]	battle low dy" 207, "r	strength [lon-bloody"	23,195] mi	inus high	22,910	10	
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<u>ነ</u> ተርጉ ተ ©ታሪን	Aprilla I preceding battle high strength [24,478] minus low casualties ["bloody" 169, "non-bloody" 54]	battle high dy" 169, "r	strength oon-bloody"	[24,478] m 54]	ufnus low	24,250	50	
~?\\Z\			Nomfinal	al				
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	Aprilla I preceding battle nominal strength [23,312] minus nominal casualties ["bloody" 188, "non-bloody" 71] Replacements received during battle	battle nomis ["bloody" d during ba	nal streng 188, "non ittle battle (4	th [23,312] -bloody" 71]	} minus   ] 	23,053 0 0 + 720 73,773	53 0 0 73	
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BRITISH CASUALTIES: CARROCETO	
"Bloody" Low Estimate	149
Estimate	182
Reported KIAs and WTAs	165*
"Non-Bloody" Low Estimated NBCs	65**
High Estimate	140
Reported NBCs and MIAs	127*
BASIC SOURCES: *VI Corps Situation Reports and Fifth Army Periodic Reports; **January 1944 British daily NBC rate per thousand troops was 1.4145161. This figure multiplied by a battle strength of 23.053 thousands and 2 battle days provides 65 NBC [Mellor, Casualties and Medical Statistics, p. 241].	



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# CARROCETO GERMAN STRENGTH:

# Low

21,400		26,156		23,778	23,778
Estimate	B1gh	Estimate	Nominal	Reported strength	Attachments/detachments during battle Total

BASIC SOURCES: Fourteenth Army and LXXVI Panzer Corps War Diaries and appendices.



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# GERMAN CASUALTIES: CARROCETO

"Bloody"	
Estimate	324
Estimate	396
Nominal Reported KIAs and WIAs	360*
"Non-Elody" LOW Estimated NBCs	9
High Estimate	79
Nowinal Estimate from experience of British forces	**49

Diaries and appendices; **February 1944 British daily NBC rate per thousand troops was 1.4145161. This figure multiplied by a battle strength of 23.778 thousands and 2 battle days provides 67 NBC [Mellor, Casualties and Medical Statistics, p. 241].

BASIC SOURCES: *Pourteenth Army and LXXVI Panzer Corps War



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# U.S. STRENGTH: MOLETTA RIVER

# Low

Nominal  157th RCT [5,000] and attached units [2,700] strength  Replacements received during battle  RTD  Attachments/detachments during battle  Total
nd attached units ² [2,700] strength ed during battle ents during battle Total
Total

situation reports, and operations orders.



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# U.S. CASUALTIES: MOLETTA RIVER

Bloody*		
Estimate	24	
Estimate	30	
Nominal Reported KIAs [5] and WIAs [22]	27	
"Non-Eloody" Low	116	
High Estimate	142	
Nominal Reported MIA [1] and NBC [128]	129	
BASIC SOURCE 45th Infantry Division after-action report, 3-1/AG Section.		



# GERMAN STRENGTH: MOLETTA RIVER

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5,850

7,150

Estimate

	6,500	6,500
Nowfral	Replacements received during battle RTD Attachments/detachments during battle	Total

BASIC SOURCES: Fourteenth Army and LXXVI Panzer Corps War Diaries and appendices.



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# GERMAN CASUALTIES: MOLETTA RIVER

	"Bloody" Low	
Estimate		57
Estimate	High	69
Reported	Nominal Reported KiAs and WiAs	63*
Estimate	"Non-Bloody" Low	26
Estimate	H1.gh	32
Estimate	Nominal Estimate from experience of British forces	28**

Diarles and appendices; *Fourteenth Army and LXXVI Panzer Comps War Diarles and appendices; **February 1944 British daily NBC rate per thousand troops was 1,415161. This figure multiplied by a battle strength of 6.5 thousands and 3 battle days provides 28 NBC [Mellor, Casualties and Medice Charistics, p. 241].



# MOLETIA RIVER

# HERO

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Γ		%/n	1	1
		A/C	2	~.
		C/2	1	1
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Battle	Casualties	%/D		1
	Ca	Armori	<i>-</i> ،	?
		Q/%	1.1	1.1
		Pers	167	107
	Sorties		(	
Α ξ Υ	Sor			
	Arty	Pcs	28	76
		MBT	27	0
gth	Armor	Lt.	0	d
Strength			27	a
נט	Pers	(iotal)	,418	000
			-	-
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			A/C %/D		-	
			7 U/%		ŀ	i
	a	Casualties	Artv	Į,	`.	C
	Darcie	sual	//D/%		į	t I
	•	Ca	Armor	,	٠.	0
			Pers %/D	. 0	0.0	27 0. 1
V	Alr	Sorties		٠	-•	٥
		Arty	Pcs	76	000	52
			MBT	0	>	117
şth	Armor	Armor	Lt.	2,6	t I	9
Strength			₽	2,7	17	
S		Pers	(Total)	6 500	0000	700
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# U.S. STRENGTH: PACTORY COUNTERATTACK

# Lou

timate	•	Estimate
		timate

5,805

High

7,095

Nom1mal

Estimate .....

6,450

14

Replacements received during battle ..........

RTD ...... Attachments/detachments during battle .................

Total

6,464

BASIC SOURCES: 45th Infantry Division after-action report, G-1/AG Section, and operations orders.



# U.S. CASUALTIES: FACTORY COUNTERATTACK

"Bloody"	
Estimate	55
Estimate	67
Nominal Reported KIAs [7] and WIAs [54]	61
"Non-Bloody"  Low	62
Bigh Estimate	99
Reported NBC	28
BASIC SOURCE: 45th Infantry Division after-action report, G-1/AG Section.	



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# GERMAN STRENGTH: FACTORY COUNTERATTACK

· Low	Estimate
	Estimate

6,570

8,030
Estimate
Es

High

Nom1ra1

7,300	0	0	0	7,300
Reported strength	Replacements received during battle	RTD	Attachments/detachments during battle	Total

BASIC SCURCES: Fourteenth Army and LXXVI Panzer Corps War Diarles and appendices.



THE WAY THE THE PROPERTY OF TH

# · GERMAN CASUALTIES: PACTORY COUNTERATTACK

	158	193	175*	55	29	39** 21*** 61
"Blocdy" Low	Estimate	Estimate	Nominal Reported KIAs and WIAs	"Non-Bloody"  Low	High Estimate	Reported POWs 45th US Inf Div to Fifth Army

This figure multiplied by battle strength of ***February 1944 British daily NBC rate per thousand troops BASIC SOURCE: *Fourteenth Army and LXXVI Panzer Corps War 7.3 thousands and 2 battle days provides 21 NBC [Mellor, Diaries and appendices; **Fifth Army Periodic Reports; Casualties and Medical Statistics, p. 241.]. was 1.4145161.



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# FACTORY COUNTERATTACK

# HERO

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t le	Casualties	%/D Art 11 9		
Battl	sua		1	į
	Ca	Armor	ن	٠
		Q/%	8.0	2.9
		Pers 1%/D	101	206
A 4 x	Sortios	201 100	7	0
	Arty	Pcs	155	102
		MBT	20	28
gth	Armor	Lt,	0	0
Strength		Ţ	70	28
		(Total)	13,400	7.077
		2	۷,	

# LFW

		%/D A/C %/D	5	?
Battle	Casualties	%/D Arty	5.7 ?	5.9 0
٣	Casi	/ Joury	8	2
		0/%	0.5	1.2
		Fers	61	175
Air	Sorties		٤	٠-,
	Arty	Pcs	155	4.8
		MRT	9/	17
gth	Armor	1,t	0	0
Strength		٦	70	177
5	Pers	(Total)	6,450	7,300
		व	Y	



# U.S. STRENGTH: FIOCCIA

# Lou

Estimate	16,721
High	
Estimate	18,481
Nontagi	
Estimated strength [15,601] plus attached British units [2,000]	17,601* 751** 230**
10191	18,582

BASIC SOURCES: *TO&E Strength and 45th Infantry Division operations orders; **45th Infantry Division after-action report, G-1/AG Section.



# U.S. CASUALTIES: FIOCCIA

	234	286	260	944	1,154	480	1,049
"Bloody" Low		Bigh	Nominal Reported KIAs [32] and WIAs [228]	"Non-Eloody" Low	High	Reported NBC	nta Total
	Estimate	Estimate	Reported	Estimate	Estimate	Reported	veron red utv

BASIC SOURCES: 45th Infantry Division after-action report, G-1/AG Section; Fifth Army Periodic Reports.



# GERMAN STRENGTH: FIOCCIA

	:		
1	-	-	ı

7,200		8,800		8,000	Total 8,000
Estimate	H.gh	Estimate	Nominal	Reported strength	-

BASIC SOURCES: Fourteenth Army and LXXVI Panzer Corps War Diaries and appendices.



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## GERMAN CASUALTIES: FIOCCIA

	. Bloody Low	
Estimate		113
Bigh Estimate	High	139
Nominal Reported KIAs and WIAs	Nominal	126*
Estimate	"Non-Bloody" Low	32
High Estimate	High	40
Nominal Estimate from experience of British forces	Nominal British forces	34**

BASIC SOURCES: *Fourteenth Army and LXXVI Panzer Corps War Diaries and appendices; **February 1944 British daily NBC rate per thousand troops was 1.4145161. This figure multiplied by a battle strength of 8.0 thousands and 3 battle days provides 34 NBC [Mellor, Casualties and Medical Statistics, p. 241].



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FIOCCIA

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le	7 0 0 L	Mrmor! 9/10 14.2.	X X	
Battle	Casualties	9, 15	7	
	ű	Armor	, ,	,
		1	1	7
		Pers (%/D	265 (	7 0 2 0 7
7 ; 4	True S	Sorties	170	178
	Arty	Pcs	164	187
		MBT	4.5	89 1187
gth	Armor	Lt.	0	17
Strength		Ţ	45	106
	Pers	(Total)	15,037	19,613 1106 17
		V/D	A	_ _

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		U/%		·
		A /C	,	٠.
		10/%	1	!
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Rattle	Casualties	Armor 7/D A		 !
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		2/V	0.5	0.5
		ers	97	260 0
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Afr	Sorries		i	ç.,
	Arty	Pcs	87	187
.		MBT	45	36
gth	Armor	Lt.	0	34
Strength		H	45	2
S	Pers	(Total)	8,000	17,601
		9	Ψ.	



### INTRODUCTION AND BIBLIOGRAPHY: ROME

As per contract, the LFW Team reviewed/reassessed the following battles:

Moletta Offensive, 23-24 May 1944 Anzio-Albano Road, 23-24 May 1944 Velletri, 26 May 1944 Campoleone Station, 25-28 May 1944 Villa Crocetta, 27-28 May 1944 Lanuvio, 29 May-1 June 1944 Via Anziate, 1-2 Jun 1944

The basic source for statistical data on the battles of the Rome campaign were the official records, of which the Fifth Army Periodic Reports were the most valuable source, both for opening strengths and for "bloody" casualties, including the British divisions. VI Corps Periodic Reports and division records, particularly daily situation reports, were of value for the two American divisions, and some figures were obtained from the official history, Fisher, Cassino to the Alps, in particular opening strength of the 1st Armored Division. "Non-bloody" casualties were derived primarily from extrapolation of data in Lada and Mellor, as explained in the general introduction.

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### Official Records

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VI Corps: After-Action Report, Periodic Reports, and G-1 and G-3 Journals.

1st Armored Division: After-Action Report, Division Artillery After-Action Report, Daily Situation Reports, Division Artillery Daily Situation Reports, Division Artillery

Journal and G-1 and G-3 Journals and tiles; and Atter-Action Reports, Daily Situation Reports, and S-1 and S-3 Journals and files of the two principal combat commands, A and B.

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34th Infantry Division: After-Action Report, Division Artillery After-Action Report, Daily Situation Reports, Division Artillery Daily Situation Reports, Division Artillery Journal, and G-1 and G-3 Journals and tiles; After-Action reports, Daily Situation Reports, and S-1 and S-3 Journals and files of the three organic regiments: 133d Infantry, 135th Infantry, and 168th Infantry.

45th Infantry Division: After-Action Report, Division Artillery After-Action Report, Daily Situation Reports, Division Artillery Daily Situation Reports, Division Artillery Journal and G-1 and G-3 Journals and files; After-Action Reports, Daily Situation Reports, and S-2 and S-3 Journals and files of the three organic regiments: 157th Infantry, 179th Infantry, and 180th Infantry.

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LFW MANAGEMENT ASSOCIATES, INC. REVIEW

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CAA TASK 5 REQUIREMENTS

LPW'S INDEPENDENT REVIEW/REASSESSMENT OF EIGHT ANOMALOUS BATTLES

FROM THE ROME CAMPAIGN

# BRITISH STRENGTH: MOLETTA OFFENSIVE

### LOW

000,6		11,000
British 5th Div low estimated strength	High	British 5th Div high estimated strength
sstimated		estimated
low e		high
Div		Div
5th		5th
British		British

### **Noninal**

10,400	0	400	10,860
LFW Team's estimate	Replacements received during battle	Attachments/Detachments during battle	Total

effective strength, the division was placed in a holding role on 24 April, Because of low BASIC SCURCES: Operations Report, 5th Inf Div; strength reports in records of 15th Army Group, Hq, Allied Armies in Italy.



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### MOLETTA OFFENSIVE BRITISH CASUALTIES:

		"Bloody"	
Estimated	casualties	Estimated casualties $oldsymbol{1}$	212
Estimated	casualties	Bigh Estimated casualties	234
Estimated	casualties	Nominal Estimated casualties [KIA 57, WIA 166 ]	223*
Casualtíes		"Non-Bloody" Low	7.7

BASIC SOURCES: *Division reports to VI Corps found in Fifth Army Periodic Reports; and **Mellor, Casualties and Medical Statistics, p. 241.

85

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Nominal

High

Casualties .....

Casualties [MIA 32, POW 23]* plus 26 NBC**



## GERMAN STRENGTH: MOLETTA OFFENSIVE

### Lou

бегтап	4th	German 4th Parachute Div estimated low strength	Div	estimated	low a	strength .	•	8,200
				-	Eigh	æ		
German	4 th	German 4th Parachute Div estimated high strength	Div	estimated	high	strength	•	8,900
					Monte	-		

009*8	tle		attle	Total 8,600
LFW Team's estimate	Replacements received during battle	RTD	Attachments/Detachments during battle	

The 4th BASIC SOURCES: Fourteenth Army War Diary and appendices. Parachute Division was seriously understrength.

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# GERMAN CASUALTIES: MOLETTA OPPENSIVE

	7.5	•	69	63	13	15	:!ence** 14
"Bloody"	LOW	Estimated casualties	Estimated casualties	Nominal Estimated casualties*	"Non-Bloody" Low	Estimate	Nominal Refinated casualties NBC based on British experience**

BASIC SOURCES: *Pourteenth Army War Diary and appendices; and **Mellor, Casualties and Medical Statistics, p. 241.



MOLETTA OFFINSIVE

### HERO

_		_		
Battle	Casualties	Pers 8/D Armor 2/D Arty 7/D 14/C 19/D	234 0.7 ? ? ?	· c
) 4 t V	Cortico	100	16	0
	Arty	Pcs	100	92
		MBT	35	0
gth	Armor	Lt.	0	0
Strength		I	35	0
	Pers	(Total)	17,345	12,569
		Q V	Ā	

### LFW

Rottlo	Casualties	Armor 2/D Arty 2/D 14/C 2/D	0 6 0	
Air	Arty Sorties	Pars %/D	6 ? 223 1	72 7 63 0 7
Strength	Armor	T Lt. MBT	54 0 54 6	0 24 0
Š	Pers	A/D (Total)	A 10,400	D 8.600



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### MOLETTA OFFENSIVE

### HERO

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### LFW

7 K Suprise Level Surprise Supriser z Season SpT Weather ᆵ Terrain Σ **Def Posture** PD

The Germans were not in a fortified position (FD) but in a prepared defense (PD).



### ANZIO-ALBANO ROAD

### HERO

0.9	17	MG Penney	Br 1st Inf DIv(+) Gr 65th Inf Div		23-24 May 44 Rome	مک
Width of Front (Km)	Days	Commanders	Forces	Campalan	Dates	A/D

### LFW

Width of

0/4	Dates	Campaign	Ĺ	Forces	Commanders	àys.	Front Days (KB)
≪.0	23-24 May 44 Rome		Br 1st Inf DIV ( Gr 65th Inf DIV	f DIV (4)	Br 1st Inf Div (4) Brigadier Loewen 2 Gr 65th Inf Div MG Ziehlberg	2	6.0
					10011011		

General Loewen had succeeded General Penney as British commander.



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# BRITISH STRENGTH: ANZIO-ALBANO ROAD

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British 1st Div low estimated stre

### High

10,120 British 1st Div high estimated strength ......

### Nominal

LFW Team's estimate	9,200*
Replacements received during battle	0
Ta.	265**
Attachments/Detachments during battle	9
[ c+cH	977 0

records of 15th Army Group, Hq, Allied Armies in Italy; and ** Mellor, *Operations Report, 5th Inf Div; strength reports in Casualties and Medical Statistics. BASIC SOURCES:



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# BRITISH CASUALTIES: ANZIO-ALBANO ROAD

Bloody	
Estimated casualties	141
Estimated casualties	155
Nominal Estimated casualties [KIA 57, WIA 166 ]	148*
"Non-Eloody" Low	56
High Casualties	62
Nominal Casualties [MIA 21, POW 15]* plus 23 NBC**	59
BASIC SOURCES: *Division reports to VI Corps found in Fifth Army Periodic Reports; and **Mellor, Casualties and Medical Statistics, p. 241.	



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# GERMAN STRENGTH: ANZIO-ALBANO ROAD

### Low

8,800
strength
Div estimated
Div
German 4th Parachute
4th
German

### High

9,500
6
d strength
strength
estimated
Div
German 4th Parachute Div estimated
4th
German

### Nominal

000,6		9,000
LFW Team's estimate	RTDAttachments/Detachments during battle	Total

MS No. R-50 BASIC SOURCES: Fourteenth Army War Diary and appendices; (Bailey).



# GERMAN CASUALTIES: ANZIO-ALBANO ROAD

	88	110	66	17	21	19
"Bloody" LOW	Estimated casualties	Estimated casualties	Nominal Estimated casualties	"Non-Bloody" Low	Estimate	Nominal Estimate (11 NBC plus 8 MIA)

CONCEPTS ANALTHS AGING

BASIC SOURCE8: Fourteenth Army War Diary and appendices; MS No. 50 (Bailey).

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### ANZIO-ALBANO ROAD

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Battle	Casualties	7/D/%	-	-
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		ers %	04 10	107 0
L.		۹۱	15	듸
۲ ۲	Sorties		35	0
	Arty	Pcs	001	96
		ME	36	13
gth	)rmor	rt.	0	0
Strength		-	36	139
ری ا ا	Pers	(lotal)	17,313	11,343
			V	

### LFW

		1A/C 12/D	,		-
Battle	Casualties	%/D   Arty   %/L	5.51 0	2	
	C	Armor	ر. د	٠.	
		Pers %/D	143 0.8	9.0 66	
Air	Sorties		<i>د</i> -	٠٠	
	Arty	Pcs	96	72	
		MBT	99	0	
gth	Armor	1.4.	0	7	
trength		<u>:</u>	79	0	!
5	Pers	(Total)	9,200	9,000	
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### ANZIO-ALBANO ROAD

### HER0

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Surprise	z
Season	SpT
oin Weather 9	WLT
Terrain	Æ
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### LFW

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Level Suprise	ı
Supriser	ŧ
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	SpT
Weather	YLT
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Def Posture Terrain Weather Season	G d.
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The defenders were not in a fortified defense (FD) but a prepared defense (PD).



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### U.S. STRENGTH: VELLETRI

### LOW

18,000	18,650	18,420	18.420
Estimated US 1st Armd Div strength	Estimated US 1st Armd Div strength	LFW Team's estimate (14,620) minus TF Howze (2,200) plus attached units (6,000)	Total

BASIC SOURCES: 1st Armd Div Daily Situation Reports; Fisher, Cassino to the Alps, (U.S. official history).



III-53

ELECTRONIC STATES OF THE SECOND SECON

### U.S. CASUALTIES: VELLETRI

"Bloody"	
Estimated casualties	27
Estimated casualties	33
Nominal Casualties from VI corps Daily Situation Report	30*
"Non-Bloody" Low	52
Casualties	94
Nominal Casualties [MIA 16]* from VI Corps Daily Situation Report, plus 42 NBC**	58
BASIC SOURCES: *1st Armored Division and VI Corps Dafly Situation Reports; and **Lada, Medical Statistics World War	



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### GERMAN STRENGTH: VELLETRI

### Lou

Estimated strength	7,700
Bigh	
Estimated strength	8,500
Nonfual	
LFW Team's estimate	8,100

BASIC SOURCES: Fourteenth Army War Diary and appendices; MS. No. R-50 (Bailey).

8,100

Total



## GERMAN CASUALTIES: VELLETRI

"Bloody"	
Estimated casualties	350
Bigh Estimated casualties	450
Nominal Casualties [KIA 100, WIA 300]	*007
"Non-Bloody"  Low  Casualties	27.1
High Casualties	331
Casualties [MIA 294* plus 7 NBC**]	301
BASIC SOURCES: *Fourteenth Army War Diary and appendices; MS No. R-50 [Bailey]; and **Mellor, Casualties and Medical Statistics, p. 2*1.	

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HERO

	Stre	Strength						Battle	10				
Pers		Armor		Arty	AIC		၁	Casualties	ties	•	•		
=	(Total)	L+.	MBT	Pcs	Lt. MBT Pcs Sortles Pars	P 9 - S	g/\$	Armor \$/0 Arty \$/0 A/C \$/0	0/ <b>%</b>	Arty	<b>0/</b> ≸	A/C	0/8
۲N 00	462	20,683 462 158 304	304	26	8	767	3.7	767 3.7 18 3.9	3.9	1	Ī	7	
2,327	65	0	65	6 4	0	1,319 10.7	10.7	٠	!	2	1	c	

LFW

														•
		Stre	Strength						Battle	19				
	Pers		Armor		Arty	Armor Arty Air		S	Casualties	+les				
A/D	A/D (Total) I Lt. MBI Pcs Sortles Pers \$/D Armor \$/D Arty \$/D A/C \$/D	Ţ	1.	MBT	Pcs	Sortles	Pers	0/8	Armor	0/\$	Arty	<b>0/\$</b>	)/V	0/%
<u>ح</u>	18,420 321 221 100 96	521	122	001	96	· ·	30	0.2	30 0.2 8 2.5	2.5	~	I	۲.	1
۵	8,100 110 45 65 38	10	45	65	38	~	400 4.9 14 0.1 2 5.3 2	4.0	7		^	5.	~	!



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### VELLETRI

### HERO

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	A/D	<u>.</u>	 

The defenders were not in a fortified defense (FD) but a hasty defense (HD).



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### US ARMY

### CAMPOLEONE STATION U.S. STRENGTH:

### Low

Estimated strength	16,800
High	
Estimated strength	18,000
Nominal	
LFW Team's estimate 45th Div (14,000) plus TF Howze (2,000) plus attached units (1,400)	17,400
Total	17,400
BASIC SOURCES: 45th Div Daily Situation Reports and Fisher, Cassino to the Alps.	



### US ARMY

# U.S. CASUALTIES: CAMPOLEONE STATION

"Bloody"	
Low Estimated casualties (30 KIA, 169 WIA) based on corps report	167
High Estimated casualties	231
Nominal Casualties (30 KIA, 169 WIA) per VI Corps Daily Situation Report	199
"Non-Bloody" Low Estimated casualties	357
Eligh Casualtíes	437
Nowinal Casualties (MIA 228, PCW 39) per VI Corps Daily Situation Report (plus 118 NBC)*	397
BASIC SOURCES: VI Corps Daily Situation Reports; and *Lada, Redical Statistics World War II, p. 27.	



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## GERMAN STRENGTH: CAMPOLEONE STATION

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8,760		9,100		8,930
Strengths of German units	High	Estimated high strength	Nominal	LFW Team's estimate

BASIC JURCES: Fourteenth Army War Diary and appendices.

8,930

Tota1



### US ARMY

# GERMAN CASUALTIES: CAMPOLEONE STATION

"Bloody"	
Estimated casualties	273
Bigh Estimated casualties	425
Nominal Casualties (KIA 118, WIA 230)	348
"Non-Bloody"  Low  Casualties	306
### Bigh Casualtles	374
Nominal Casualties (MIA 276 plus 64 NBC)*	340
BASIC SOURCES: Fourteenth Army War Diary and appendices; and Mellor, Casualties and Medical Statistics, p. 241.	



### CAMPOLEONE STATION

### HERO

		Stre	Strength						Battle	9				
	Pers		Armor		Arty	Air		ပ	Casualties	Hes				
٩/٥	(Total)	1	1+.	MBT	Pcs	t. MBT Pcs Sorties Pers \$10 Armor \$10 Arty \$10 A/C \$10	Pars	0/%	Armor	0/3	Arty	0/%	ر الا	0/3
_≤_	19,047 102 1	102	13	68	16	0	517	517 0.9	~		-	0.0	~	
ھ	10,593 19	19	0	19	106	0	580 1.8	1.8	7	1	~		c	1

### LF¥

		Stre	Strength						Battle	•				
	Pers		Armor	) [	Arty	AIr		ပ	Casualiles	165				
A/0	(Intal)	-	1+	MBT	Pcs	MBT Pcs Sorties Pers 1/0 A	Pers	4/D	Armor	0/\$	Arty \$10 A/C \$10	0/%	A/C	9/\$
≪_	17,400 08 34	90	34	-	4 86	٠	199	0.4	C		2	1	~	!
۵	8,930	7	0	0	7.2	2	343	1.3	0	1	0	-	7	



III-63

## U.S. STRENGTH: VILLA CROCETTA

### Low

16,000		17,500		16,400	0 0	16,400
Estimated strength	High	Estimated strength	Nominal	LFW Team's estimate	Attachments/Detachments during battle	Tota1

BASIC SOURCES: 34th Inf Div and VI Corps Paily Situation Reports.



## U.S. CASUALTIES: VILLA CROCETTA

"Bloody"		
Estimated casualties	150	
Bigh Estimated casualties	250	
Nominal Estimated	200	
"Non-Bloody" Low	128	
High Casualties	156	
Nominal Casualties (MIA 57, POW 9, 76 NBC)	142	
BASIC SCURCES: VI Corps G-1 Daily Sicuation Reports.		



## GERMAN STRENGTH: VILLA CROCETTA

### LOW

11,000	12,500	11,200
Estimated low strength	Estimated high strength	LFW Team's estimate

DASIC SOURCES: Fourteenth Army War Diary and appendices.



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## GERMAN CASUALTIES: VILLA CROCETTA

"Bloody"		
Estimated casualties	150	
<b>High</b> Estimated casualties	300	
Nominal Estimated Casualties (KIA 81 plus WIA 100)	181	
"Non-Bloody"  Low	216	
High Casualties	264	
Nominal Casualties (MIA 114, POW 18, NBC 104)	240	
BASIC SOURCES: Fourceenth Army War Diary and appendices.		



### CONCEPTS AMARYSIS AGSINGY

### VILLA CROSETTA

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### LFW

	battle Casualtles	Pers %/D Armor %/D Arty %/D A/C %/D	200 0.6 ? ? ?	1181 0.8   ?     ?     ?
3 , 4	Sorties		<i>د</i> ٠٠،	٠.
	Arty	rcs S	50 0	200
Strength	T Armor	100 3/ 2/	24 /4	0 0
St	Pers	16 700		707677
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### FOSSO di CAMPOLEONE

#### HERO

(m				
Width of Front (Km)	11.0			
Days	3			
Commanders	MG Harmon		MG Baade	
Forces	US 1st Armd Div & MG Harmon	US 45th Inf Div (+)	Gr 3d PG Div (12) (+) MG Baade	
Campaign				
Dates	A 29-31 May 44 Rome			
A/D	Ą		Ω	

#### LFW

Width of	Days Front (Km)	3   11.0			
	Commanders	MG Harmon	Mr Eagles	MG Baade	
t:	Dempaikii roices	OS TEL MIND DIV &	US 45th Inf Div (+) MG Eagles	Gr 3d Pz Gr Div (½) MG Baade	(+)
10 to	Cd   Pd 1    1	אסוויי			
A /n Nates		ואל אבון דר - ריש			
A /D		5		Ω	

Since the 45th Inf Div was not under the command of the 1st Armd Div, the division commander, General Eagles, should be listed.



# U.S. STRENGTH: FOSSO di CAMPOLEONE

#### LOW

28,141		32,831	
Estimated low strength	High	Estimated high strength	

31,268	0			31,268
LFW Team's estimate	Replacements received during battle	KIU	Attachments/Detachments duffing Dattacheressesses	Total

BASIC SOURCES: VI Corps Daily Situation Reports.



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# U.S. CASUALTIES: FOSSO di CAMPOLEONE

	835	1,535	1,315	192	234	213
"Plendy" Low	Estimated low casualties	Estimated high casualties	Nominal Estimated Casualties	"Non-Bloody"  Low	Eigh Casualties	Nominal Casualties (MIA 114, POW 18, NBC 104)

BASIC SOURCES: VI Corps Daily Situation Reports and NAC from Lada, Medical Statistics World War II, p. 27



# GERMAN STRENGTH: FOSSO di CAMPOLECNE

#### LOL

000,6		11,000		10,000
Estimated low strength	High	Estimated high strength	Nominal	LFW Team's estimate

BASIC SOURCES: Fourteenth Army War Diary and appendices.



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# GERMAN CASUALTIES: POSSO di CAMPOLEONE

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## FOSSO di CAMPOLEONE

#### HERO

		Stre	Strength						Battle	9				
	Pars		Armor		Arty	Air		S	Casualties	1185				
A/D	A/D (Total) T 11. MBT Pcs Sorties Pers 8/D Armor 8/D Arty 8/D A/C 8/D	L	+	MBT	Pcs	Sorties	Pers	8/D	Armor	0/%	Arty	\$10	A/C	8/D
ď	29,7:1 781 77 204 146	184	11	204	146	35 1,304 1.5 80 9.5 1 0.2 7	1,304	1.5	80	9.5	-	0.2	3	1
۵	15,801 100 00 100,21	001	0	100	117		11 1,379 2.9	2.9	7		3	-	7	

#### LFW

Strength	Streng	2	=						Battie	<b>O</b>				
Pers Armor Arty	Armor Ar	Armor Ar	۸۲ ا	¥	†	Air		C	Sasualties	163				
(Total) T +. WBT Pc	T Lt. MBT Pc	Lt. MBT Pc	MBT Pc	Р	S	WBT Pcs Sorties Pers	Pers	1/0	Armor 1/0	3/0	Arty \$10 A/C	1/0	A/C	\$ 10
31,268 429 255 174 13	_~	255 174 13	174 13	7	4	3	1,315	1 •4	7.	5.5	٧	-	~	-
10,000 7 7 7 3	2 2 2 3	7 7 3	7 3	3	4	7	810 2.7	2.7	2	7	٤	2.9	7	-



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## U.S. STRENGTH: LANUVIO

#### Lou

Estimated low strength	16,000
Пfgh	
Estimated high strength	17,200
Nomfinal	
LFW Team's estimate	16,934
Total	16,934
BASIC SOURCES: 34th Inf Div and VI Corps Daily Situation Reports.	



## U.S. CASUALTIES: LANUVIO

"Bloody" Low	
Estimated casualties	1,458
High Estimated casualties	1,782
Nominal Estimated Casualties	1,620
"Non-Eloody"  Low  Casualties	139
Bigh Casualties	169
Nominal Casualties	154*
BASIC SOURCES: VI Corps Daily Situation Reports and *Lada, Medical Statistics World War II, p. 27.	



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## GERMAN STRENGTH: LANUVIO

#### LOW

### Nominal

7,000	0	0	0	7,000
LFW Team's estimate	Replacements received during battle	RTD	Attachments/Detachments during battle	Total

BASIC SOURCES: Fourteenth Army War Diary and appendices.



# GERMAN CASUALTIES: LANUVIO

800	992	825	54	99	¥09	
"Bloody"  Low  Estimated casualties	High	Nominal	"Non-Bloody" Low	High	Nonfnal	
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Estimated	Estimated casualties	Estimated Casualties	Casual t.fes	Casualties	Casualtíes	

BASIC SOURCES: Fourteenth Army War Diary and appendices, and Mellor, Casualties and Medical Statistics, p. 241.



### LANUVIO

#### HERO

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#### LFW

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	orrength.		The Armor Live ty	LE. Misi Pesi	34 108 37 76 94 7	20 2 2 2 2 2	
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	or rengtin		wite ty	L. Mist Pest	10,934 108 36 74 94 ?	7,000 2 2 24 9	



# U.S. STRENGTH: VIA ANZIATE

#### LOW

Estimated lcw strength	15,500
nigh	
Estimated high strength	17,200
Nomfnal	
LFW Team's estimate	16,400 0 0
Total	16,400

BASIC SOURCES: VI Corps Daily Situation Reports.

CONCEPTS ANALYSIS AGINEY

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# U.S. CASUALTIES: VIA ANZIATE

	"Bloody" Low	
Estimated	Estimated casualties	200
Estimated casualties	High	1,100
Estimated Casualties	Nominal Jasualties	800
Casmalt1es	"Non-8loody" Low	29
Casualties	High	81
Casualties	Nominal	74*
BASIC SOUR	BASIC SOURCES: VI Corps Daily Situation Reports, and *Lada, Medical Statistics Vorld War II. n. 27.	



# GERMAN STRENGTH: VIA ANZIATE

#### LOW

7,500		8,500		8,000	8,000	•
Estimated low strength	H1gh	Estimated high strength	Nomfaa1	LFW Team's estimate	Total	BASIC SOURCES: Fourteenth Army War Diary and appendices

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# GERMAN CASUALTIES: VIA ANZIATE

"Bloody" Low	
Estimated casualties	700
Estimated casualties	1,400
Nominal Estimated Casualties	800
"Non-Bloody" I,ow	
Casualtres	31
Casualties	37
Casualtles	34*
BASIC SOURCES: Fourteenth Army War Diary and appendices and *Mellor, Casualties and Medical Statistics, p. 241.	



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VIA ANZIATE

#### HERO

Battle	Casualties	Pers 2/D Armor 2/D Arty 7/D A /C 9/D	2.6 10 7 6/2 6/2	0 1 1
	Ca	Pers %/D Armor	38 316 10.7 8	884 0 3 10 17 1
44.	Sorties		38	2
	Arty	. MBT Pes	121	262
		MBT	139	35   262
gth	Armor	Lt.	17	35 0
Strength			126	35
- 1	Pers	M/U (10tal)	23,604	19,255
			Ą	Q

#### LFW

_	_			
		%/D		
		2/D A/C	۰	
		Q/%	;	1
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Parr 10	Casualties	1/'D	1	i
	Cas	Pers %/D Armor 8/D A	ć	٠,
		V a/	3	0
		P. S %	750 2.3	800 15
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Α1.	Arty Sorties		<i>د</i> ~•	٥.
	Arty	Pcs	98	36
		MET	74	C
,th	Armor	-1	34	16
Strength	) ——]	-	168 34	16
S	Pers	A/D (Total)	16,400	3 000
		1	<u> </u>	



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